

ABSTRACT

5 The invention discloses a method by which a fluid heat
reactive resin system is formulated below the melting point of the
resin. This permits the application of coatings and the formation of
shapes and powders from the fluid heat reactive system. Liquefied
gases are used to solvate resins so that curing agents, hardeners,
pigments and flow control agents, and especially curing agents
10 which are too reactive to be mixed with the resins above the
melting point of the resins may be dispersed in the resins.

After dispersion, the fluid heat reactive resin system remains
in a deformable state under ambient conditions for a transient
processing time. The transient processing time is established and
maintained by the inclusion of plasticizers and high boiling solvents
15 in the heat reactive resin system.